

## CLAIMS:

1. A method of automatically displaying medical measurement data in which a computer receives the medical measurement data, automatically converts in real time the received measurement data into data for histograms and outputs the converted data as picture signals.  
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2. A method as claimed in claim 1, characterized in that the measurement data are converted into dynamically updated real-time histogram readout objects.
3. A method as claimed in claim 1 or 2, characterized in that the histogram is  
10 filled with measurement data from a time window advancing in real time ("moving window") with selectable fixed length.
4. A method as claimed in claim 2, characterized in that, during the conversion, the computer generates aids for the retrospective analysis of histograms in the form of  
15 selectable functions that can be displayed on a viewing screen and outputs them together with the converted data combined as picture signals.
5. A method as claimed in any one of claims 1 to 3, characterized in that, during the conversion, the computer generates a cumulative curve indication of the medical  
20 measurement data and outputs it together with the converted data combined as picture signals.
6. A method as claimed in any one of the preceding claims, characterized in that the computer processes control signals that are produced by input means communicating with  
25 the computer and that serve to control the conversion and/or the output of the picture signals.
7. A device for automatically displaying medical measurement data, comprising a computer that is designed for receiving medical measurement data, automatic real-time

conversion of the received measurement data into data for histograms and for outputting the converted data as picture signals.

8. A device as claimed in claim 6, characterized in that the computer is designed  
5 to convert the measurement data to dynamically updated real-time histogram readout objects.

9. A device as claimed in claim 6, characterized in that the computer is designed  
to generate, during the conversion, aids for the retrospective analysis of histograms in the  
form of selectable functions that can be displayed on a viewing screen and to output them  
10 together with the converted data combined as picture signals.

10. A device as claimed in any one of claims 5 to 8, characterized in that the  
computer is designed to generate, during the conversion, a cumulative curve readout of the  
medical measurement data and to output it together with the converted data combined as  
15 picture signals.

11. A device as claimed in any one of claims 5 to 9, characterized in that the  
computer is designed to process control signals that are generated by an input means  
communicating with the computer and that serve to control the conversion and/or the output  
20 of the picture signals.

12. A medical monitoring device, characterized by a device as claimed in claims 5  
to 10.